

MSMSYTWGTALITPCSPREEKLPINPLSNSLLRYHNKVYCTTTKSASLRAKKVTFDRMQVLDSSYDSVLKDIKL
 AASKVTARLLTMEEEACQLTPPHSARSKYGFGAKEVRSLSGRAVNHKSVWKDLLEDSETPIPTTIMAKNEVFCV
 DPTKGGKKAARLIVYPDLGVRVCEKMALYDITQKLPQAVMGASYGFQYSPAQRVEFLLKAWAEKKDPMGFSYDT
 RCFDSTVTERDIRTEESIYRACSLPEEAHTAIHSLTERLYVGGPMFNSKGQTCGYRRCRASGVLTSMGNTITC
 YVKALAACKAAGIIAPTMLVCGDDLVIIVISESQGTEEDERNLRAFTEAMTRYSAAPPDPPRPEYDLELI TSCSSN
 VSVALGPQGRRRYYLTRDPTTPIARAWE TVRHSPVNSWLGNI IQYAPTIWARMVLMTHFFSILMAQDTLDQNL
 NFEMYGAVYSVSPDLPAIIERLHGLDAFSLHTYTPHELTRVASALRKL GAPPLRAWKSRARAVRASL I SRGGR
 AAVCGRYLFNWAVKTKLKLTPLEARLLDLSSWFTVVGAGGGDIYHSVSRARPR

FIG. 1A

MSMSYTWGTALITPCGPREEKLPINPLSNSLMRFHNKVYSTTSRSASLRAKKVTFDRVQVLDHAHYDSVLQDVKR
 AASKVSARLLTVEEACALTPPHSAKSRYGFGAKEVRSLSRRAVNHIRSVWEDLLEDQHTPIDTTIMAKNEVFCI
 DPTKGGKKPARLIVYPDLGVRVCEKMALYDIAQKLPKAIMGPSYGFQYSPAERVDFLLKAWGSKKDPMGFSYDT
 RCFDSTVTERDIRTEESIYQACSLPQEARTVIHSLTERLYVGGPMTNSKGQSCGYRRCRASGVFTTSMGNTMTC
 YIKALAACKAAGIVDPVMLVCGDDLVIIVISESQGNEEDERNLRAFTEAMTRYSAAPPDLPPEYDLELI TSCSSN
 VSVALDSRGRRRYFLTRDPTTPITRAAWETVRHSPVNSWLGNI IQYAPTIWVRMVMIMTHFFSILLAQDTLNQNL
 NFEMYGAVYSVNPLDLPAIIERLHGLEAFSLHTYSPHELSRVAATLRKL GAPPLRAWKSRARAVRASL IAQGAR
 AAICGRYLFNWAVKTKLKLTPLEASRLDLSSWFTVVGAGGGDIYHSVSHARPR

FIG. 1B

MSMSYTWGTALITPCSAEEKLPISPLSNSLLRHNLVYSTSSRSASQRQRKVTFDRLQVLDHDKYKTALKEVKE
 RASRVKARMLTIEEACALVPPHSARSKFGYSAKDVRSLSSRAIDQIRSVWEDLLEDTTTTPIPTTIMAKNEVFCV
 DPAKGGKRPARLIVYPDLGVRVCEKRALYDVIQKLSIETMGSA YGFQYSPQQRVERLLKMWT SKKTPLGFSYDT
 RCFDSTVTEQDIRVEEEIYQCCNLEPEARKVISSLTERLYCGGPMFNSKGAQCGYRRCRASGVLP TSFGNTITC
 YIKATAAAKAAGLRNPDLVCGDDLVVVAESDGVDEDRALRAFTEAMTRYSAAPPDAPQPTYDLELI TSCSSN
 VSVARDDKGRYYYYLTRDATTP LARAWE TARHTPVNSWLGNI IMYAPTIWVRMVMIMTHFFSILQSQE ILDRPL
 DFEMYGATYSVTPLDLPAIIERLHGLSAFTLHSYSPVELNRVAGTLRKLGCPLRAWRHRARAVRAKL IAQGGK
 AKICGLYLFNWAVRTKTNLTPLPATGQLDLSSWFTVVGVGNDIYHSVSRARTR

FIG. 1C

MSMSYTWGTGALVTPCAAEEESKLPISPLSNSLLRHHNMVYATTTRSASVTRQKKVTFDRLOVVDSHYNEVLKEIKA
RASRVKARLLTTEEACDLTPPHSARSKFGYGAKDVRSHSRKAINHISSVWKDLLDDNNTPIPTTIMAKNEVFAV
NPAKGGRKPARLIVYPDLGVRVCEKRALHDVIKKLPEAVMGAAYGFQYSPAQRVEFLLTAWKSKKTPMGFSYDT
RCFDSTVTEKDIRVEEEVYQCCDLEPEARKVITALTDRLYVGGPMHNSKGDLCGYRRCRASGVYTTSFGNTLTC
YLKATAAIRAAGLRDCTMLVCGDDLVIASDGVVEDNRALRAFTEAMTRYSAAPPGDAPQPAYDLELITSCSSN
VSAHDVTGKKVYYLTRDPETPLARAAWETVRHTPVNSWLGNIIVYAPTIVVRMILMTHFFSILQSQEALEKAL
DFDMYGVYTYSITPLDLPALIIQRLHGLSAFTLHGYSPELNRVAGALRKLGVPPLRAWRHRARAVRAKLI AQGGR
AKICGIYLFNWAVKTKLKLTPLPAAAKLDLSGWFTVGAGGGDIYHSM SHARPR

FIG. 1D

MSMSYTWGTGALITPCAAEEEEKLPINPLSNSLIRHHNMVYSTTSRSASLRQKKVTFDRVQVFDQHYQEILKEIKL
RASKVQAKLLSVEEACDLTPSHSARSKYGYGAQDVRSHASKAVNHIRSVWEDLLEDSDTPIPTTIMAKNEVFCV
DPSKGGKPARLIVYPDLGVRVCEKMALYDVTQKLPQAVMGSAAYGFQYSPTQRVEYLLKMWRSKKVPMGFSYDT
RCFDSTVTERDIRTENDIYQSCQLDPVARRAVSSLTERLYVGGPMVNSKQSCGYRRCRASGVLP TSMGNTITC
YLKAQAACRAANIKDCDMLVCGDDLVIICESAGVQEDTESLRAFTDAMTRYSAAPPGDAPQPTYDLELITSCSSN
VSAHDGNGKRYYYLTRDCTTPLARAAWETARHTPVNSWLGNIIMFAPTIVVRMVLMTTHFFSILQSQE QLEKAL
DFDIYGVYTYSVSPDLPLALIIQRLHGMAAFSLHGYSPELNRVGACLRKLGVPPLRAWRHRARAVRAKLI AQGGK
AAICGKYLFNWAVKTKLKLTPLV SASKLDLSGWFWAGYDGGDIYHSVSQARPR

FIG. 1E

ATGTCAATGTCGTATACATGGACAGGCGCCTTGATCACTCCTTGTAGTCCCGAAGAGGAGAAAGTTACCGATTAA
 CCCCTTGAGCAACTCCCTGTTGCGATATCACAACAAGGTGTACTGTACCACAACAAAGAGCGCCTCACTAAGGG
 CTAAAAAGGTAACCTTTTGATAGGATGCAAGTGCTCGACTCCTACTACGACTCAGTCTTAAAGGACATTAAGCTA
 GCGGCCTCCAAGGTCACCGCAAGGCTCCTACCATGGAGGAGGCTTGCCAGTTAAACCCCACTTCTGCAAG
 ATCTAAATATGGGTTTGGGGCTAAGGAGGTCCGCGAGCTTGTCGGGAGGGCCGTTAACCACATCAAGTCCGTGT
 GGAAGGACCTCCTGGAGGACTCAGAAACACCAATTCCCACAACCATTATGGCCAAAAATGAGGTGTTCTGCGTG
 GACCCACCAAGGGGGGCAAGAAAGCAGCTCGCCTTATCGTTTACCCTGACCTCGGCGTCAGGGTCTGCGAGAA
 GATGGCCCTTTATGACATTACACAAAACTTCTCAGGCGGTGATGGGGGCTTCTTATGGATTCCAGTATTTCC
 CCGCTCAGCGGGTAGAGTTTCTCTTGAAAGCATGGGCGGAAAGAAGGACCCTATGGGTTTTTCGTATGATACC
 CGATGCTTTGACTCAACCGTCACTGAGAGAGACATCAGGACTGAGGAGTCCATATATCGGGCCTGCTCCTTGCC
 CGAGGAGGCCCACACTGCCATACACTCGCTAACTGAGAGACTTTACGTGGGAGGGCCTATGTTCAACAGCAAGG
 GCCAAACCTGCGGGTACAGGCGTTGCCGCGCCAGCGGGGTGCTCACCCTAGCATGGGGAACACCATCACATGC
 TACGTGAAAGCCTTAGCGGCTTGTAAGCTGCAGGGATAATCGCGCCCACAATGCTGGTATGCGGCGATGACTT
 GGTGTCTCATCTCAGAAAGCCAGGGGACCGAGGAGGACGAGCGGAACCTGAGAGCCTTCACGGAGGCTATGACCA
 GGTATTCTGCCCCCTCCTGGTGACCCCCCAGACCGGAGTATGATCTGGAGCTGATAACATCTTGCTCCTCAAAT
 GTGTCTGTGGCGCTGGGCCCACAAGGCCGCCGAGATACTACCTGACCAGAGACCCTACCACTCCAATCGCCCG
 GGCTGCCCTGGGAAACAGTTAGACACTCCCTGTCAATTCATGGCTGGGAAACATCATCCAGTACGCCCCGACCA
 TATGGGCTCGCATGGTCTGATGACACACTTCTTCTCCATTCTCATGGCTCAAGACACGCTGGACCAGAACCTC
 AACTTTGAGATGTACGGAGCGGTGTACTCCGTGAGTCCCTTGGACCTCCCAGCTATAATTGAAAGGTTACATGG
 GCTTGACGCTTTTTCTCTGCACACATACACTCCCCACGAAGTACACGGGTGGCTTCAGCCCTCAGAAAACCTTG
 GGGCGCCACCCCTCAGAGCGTGGAAGAGCCGGGCACGTGCAGTCAGGGCGTCCCTCATCTCCCGTGGGGGGAGA
 GCGGCCGTCTGCGGTGATATCTCTTCAACTGGGCGGTGAAGACCAAGCTCAAACCTCACTCCATTGCCGGAGGC
 GCGCCTCTGGATTATCCAGCTGGTTACCGTTCGGCGCCGGCGGGGGCGACATTTATCACAGCGTGTGCGGTG
 CCCGACCACGC

FIG. 2A

ATGTCAATGTCCTACACATGGACAGGCGCCTTGATCACACCATGTGGGCCCCGAAGAGGAGAAAGTTACCGATCAA
 CCCTCTGAGTAATTGCTCATGCGGTTCCATAATAAGGTGTACTCCACAACCTCAAGGAGTGCTCTCTGAGGG
 CAAAGAAGGTGACTTTTGACAGGGTGCAGGTGCTGGACGCACACTATGACTCAGTCTTGCAAGGACGTTAAGCGG
 GCCGCCCTTAAGGTTAGTGCAGGGCTCCTCACGGTAGAGGAAGCCTGCGCGCTGACCCCGCCCCACTCCGCCAA
 ATCGCGATACGATTTGGGGCAAAAGAGGTGCGCAGCTTATCCAGGAGGGCCGTTAACCACATCCGGTCCGTGT
 GGGAGGACCTCCTGGAAGACCAACATAACCCCAATTGACACAACCTATCATGGCTAAAAATGAGGTGTTCTGCAT
 GATCCAACCTAAAGGTGGGAAAAAGCCAGCTCGCCTCATCGTATACCCCGACCTTGGGGTCAGGGTGTGCGAAAA
 GATGGCCCTCTATGACATCGCACAAAAGCTTCCCAAAGCGATAATGGGGCCATCCTATGGGTCCAATACTCTC
 CCGCAGAACGGGTGATTTCTCTCTCAAAGCTTGGGGAGTAAGAAGGACCAATGGGGTTCTGATGACACC
 CGCTGCTTTGACTCAACCGTCACGGAGAGGGACATAAGAACAGAAGAATCCATATATCAGGCTTGTTCTCTGCC
 TCAAGAAGCCAGAAGTGTACATACACTCGCTCACTGAGAGACTTTACGTAGGAGGGCCCATGACAAACAGCAAAG
 GGCAATCCTGCGGCTACAGGCGTTGCCGCGCAAGCGGTGTTTTACCACCAGCATGGGGAATACCATGACATGT
 TACATCAAAGCCCTTGACAGCGTGAAGGCTGCAGGGATCGTGGACCCTGTTATGTTGGTGTGTGGAGACGACCT
 GGTCTCATCTCAGAGAGCCAAGGTAACGAGGAGGACGAGCGAAACCTGAGAGCTTTCACGGAGGCTATGACCA
 GGTATTCCGCCCCCTCCCGGTGACCTTCCCAGACCGGAATATGACTTGGAGCTTATAACATCCTGCTCCTCAAAC
 GTATCGGTAGCGCTGGACTCTCGGGTTCGCCGCGGTACTTCTTAACCAGAGACCCTACCACTCCAATCACCCG
 AGCTGCTTTGACTCAACCGTCACGGAGAGGGACATAAGAACAGAAGAATCCATATATCAGGCTTGTTCTCTGCC
 TCTGGGTCCGGATGGTCAATGACTCACTTCTTCTCCATACTATTGGCCCAGGACACTCTGAACCAAATCTC
 AATTTTGAGATGTACGGGCGAGTATACTCGGTCAATCCATTAGACCTACCGGCCATAATTGAAAGGCTACATGG
 GCTTGAAGCCTTTTCACTGCACACATACTCTCCCCACGAACCTCTACGGGTGGCAGCAACTCTCAGAAAACCTTG
 GAGCGCCTCCCCTTAGAGCGTGGAAGAGTCGGGCGCGTGCCGTGAGAGCTTCACTCATCGCCAAGGAGCGAGG
 GCGGCCATTTGTGGCCGCTACCTCTTCAACTGGGCGGTGAAACAAAGCTCAAACCTCACTCCATTGCCCGAGGC
 GAGCCGCTGGATTTATCCGGGTGGTTACCGTGGGCGCCGGCGGGGGCGACATTTATCACAGCGTGTGCGCATG
 CCCGACCCCGC

FIG. 2B

ATGTCAATGTCGTATACATGGACAGGGCGCCTTGATCACACCATGTAGTGCTGAGGAGGAGAACTGCCCATCAG
 CCCACTCAGCAATTCTTTGTTGAGACATCATAACCTAGTCTATTCAACGTCGTCGAGAAGCGCTTCCCAGCGTC
 AGAGGAAGGTTACCTTCGACAGACTGCAGGTGCTCGACGACCATTATAAGACTGCATTAAAGGAGGTGAAGGAG
 CGAGCGTCTAGGGTGAAGGCCCGCATGCTCACCATCGAGGAAGCGTGCGCGCTCGTCCCTCCTCACTCTGCCCCG
 GTCGAAGTTTCGGGTATAGTGCGAAGGACGTTGCTCCTTGTCAGCAGGGCCATTGACCAGATCCGCTCCGTCT
 GGGAGGACCTGCTGGAAGACACCACAACCTCCAATTCCAACCACCATCATGGCGAAGAACGAGGTGTTTTGTGTG
 GACCCCGCTAAAGGGGGCCGCAAGCCCGCTCGCCTCATTGTGTACCCTGACCTGGGGGTGCGTGTCTGTGAGAA
 ACGCGCCCTATATGACGTGATACAGAAGTTGTCAATTGAGACGATGGGTTCCGCTTATGGATTCCAATACTCGC
 CTTCAACAGCGGGTGAACGTCTACTGAAGATGTGGACCTCAAAGAAAACCCCTTGGGGTTCTCATATGACACC
 CGCTGCTTTGACTCAACTGTCACTGAACAGGACATCAGGGTAGAAGAGGAGATATATCAATGCTGTAACCTTGA
 ACCGGAGGCCAGGAAAGTGATCTCCTCCCTCACGGAGCGGCTTTACTGCGGGGGCCCTATGTTCAACAGCAAGG
 GGGCCCAGTGTGGTTATCGCCGTTGCCGTGCCAGTGGAGTTCTGCCTACCAGCTTTGGCAACACAATCACTTGT
 TACATCAAGGCCACAGCGGCCGCGAAGGCCGAGGCCTCCGGAACCCGACTTTCTCGTCTGCGGAGATGATTT
 GGTGCTGGTGGCTGAAAGTGACGGCGTCGATGAGGATAGAGCAGCCCTGAGAGCCTTACGGAGGCTATGACCA
 GGTACTCTGCTCCACCCGGAGATGCCCCACAGCCCACCTATGACCTTGAGCTCATTACATCTTGCTCCTCTAAC
 GTCTCCGTAGCACGGGACGACAAGGGGAGGAGGTATTATTACCTACCCGTGATGCCACTACTCCCCTAGCCCCG
 CGCGGCTTTGGGAAACAGCCGTCACACTCCAGTCAACTCCTGGTTAGGTAAACATCATCATGTACGCGCCTACTA
 TCTGGGTGCGCATGGTAATGATGACACACTTTTTCTCCATACTCCAATCCCAGGAGATACTTGATCGACCCCTT
 GACTTTGAAATGTACGGGGCCACTTACTCTGTCACTCCGCTGGATTTACCAGCAATCATTGAAAGACTCCATGG
 TCTAAGCGCATTTACGCTCCACAGTTACTCTCCAGTAGAGCTCAATAGGGTCGCGGGGACACTCAGGAAGCTTG
 GGTGCCCCCCCCCTACGAGCTTGGAGACATCGGGCACGAGCAGTGCGCGCCAAGCTTATCGCCAGGGAGGGAAG
 GCCAAAATATGTGGCCTTTATCTCTTCAATTGGGCGGTACGCACCAAGACCAATCTCACTCCACTGCCAGCCAC
 TGCCAGTTGGACTTGTCCAGCTGGTTTACGGTTGGTGTGCGCGGGAACGACATTTATCACAGCGTGTACGTG
 CCCGAACCCG

FIG. 2C

ATGTCAATGTCGTATACATGGACAGGGCGCCTTGTTAACACCTTGCGCGGCTGAGGAATCAAAGCTGCCAATTAG
 CCCCCTGAGCAATTCACCTTTTGCGCCATCACAATATGGTGTATGCCACGACCACCGTTCTGCTGTGACACGGC
 AGAAGAAGGTGACCTTCGACCGCCTGCAGGTGGTGGACAGTCACTACAATGAAGTGCTTAAGGAGATAAAGGCA
 CGAGCATCCAGAGTGAAGGCACGCTTGCTTACCACAGAGGAAGCTTGCGACCTGACGCCCCCCCCACTCAGCCAG
 ATCAAAGTTTCGGCTACGGGGCGAAGGATGTTGCGAGCCATTCCCAGCAAGGCCATTAAACCACATCAGCTCCGTGT
 GGAAGGACTTGCTGGACGACAACAATACCCCAATACCAACAACAATCATGGCCAAAATGAGGTCTTCGCTGTG
 AACCAGCGAAGGGAGGTGCGAAGCCTGCTCGCCTGATCGTGTATCCGGATCTCGGGGTCCGGGTTTGCGAGAA
 GAGAGCGCTTCACGACGTATCAAAAACTGCCTGAGGCCGTGATGGGAGCCGCTTATGGCTTCCAATACTCCC
 CAGCGCAGCGGTGGAATTTCTTCTGACTGCTTGGAGTTCAAGAAGACCCCAATGGGGTTCTCTTATGATACC
 CGCTGCTTTGACTCCACTGTAACCGAAAAGGACATCAGGGTCGAGGAAGAGGTCTATCAGTGTGTGACCTGGA
 GCGCGAAGCCCGCAAAGTCATCACCGCCCTCACAGATAGACTCTATGTGGGCGGCCCTATGCACAACAGCAAGG
 GAGACCTTTGTGGGTATCGGAGATGTGCGCGAAGCGGCGTCTACACCACCAGCTTCGGGAACACGCTGACGTGC
 TATCTCAAAGCCACGGCCGCCATCAGGGCGGCGGGGCTGAGAGACTGCACTATGTTGGTTTGCGGTGATGACTT
 AGTCGTCATCGCTGAGAGCGACGGCGTAGAGGAGGACAACCGAGCCCTCCGAGCCTTACGGAGGCTATGACGA
 GATACTCGGCTCCCCAGGTGACGCCCCGAGCCAGCATATGACCTGGAATAATAACATCATGTTTCATCCAAC
 GTCTCAGTCGCGCACGACGTGACGGGTAAAAAGGTATATTACCTAACCCGAGACCCCTGAAACTCCCTTGCGCGC
 AGCCGCATGGGAGACAGTCCGACACACTCCAGTCAATTCTTGGTTGGGAAACATCATAGTCTACGCTCCACAA
 TATGGGTGCGCATGATATTGATGACCCACTTTTTCTCAATACTCCAGAGCCAGGAAGCCCTTGAGAAAGCACTC
 GACTTCGATATGTACGGAGTCACCTACTCTATCACTCCGCTGGATTTACCGGCAATCATTCAAAGACTCCATGG
 CTTAAGCGGTTACGCTGCACGGATACTCTCCACACGAACCTCAACCGGTGGCCGGAGCCCTCAGAAAACCTTG
 GGGTACCCCGCTGAGAGCGTGGAGACATCGGGCCCGAGCAGTCCGCGCTAAGCTTATCGCCAGGGAGGTAGA
 GCCAAAATATGTGGCATATACCTCTTTAACTGGGCGGTAAAAACCAACTCAAACCTCACTCCATTGCCTGCCGC
 TGCCAAACTCGATTTATCGGGTTGGTTTACGGTAGGCGCCGGCGGGGAGACATTTATCACAGCATGTCTCATG
 CCCGACCCCG

FIG. 2D

ATGTCAATGTCGTATACATGGACAGGCGCCTTGATAACACCATGTGCTGCGGAGGAGGAGAAGCTTCCAATAAA
TCCTCTGAGCAACTCCCTCATAAGACACCATAACATGGTGTATTCCACCACATCACGCAGCGCCAGCCTCCGCC
AGAAGAAGGTCACATTTGACAGAGTGCAAGTGTTTCGACCAACATTACCAGGAAATACTAAAGGAGATTAAGCTT
CGAGCGTCCAAGGTGCAGGCGAAGCTCTTATCCGTAGAGGAAGCCTGCGACCTCACACCATCGCAGCTCAGCCCG
GTCCAAATATGGGTATGGTGCACAGGACGTTAGAAGCCATGCTAGCAAGGCCGTCAACCACATCCGCTCCGTGT
GGGAGGACTTGCTAGAAGACTCTGATACTCCAATTCCCACAACCATCATGGCTAAGAATGAAGTCTTCTGCGTA
GATCCGTCGAAGGGTGGACGCAAGCCGGCACGCTTAATAGTTTACCCAGACTTGGGCGTGCGGGTCTGCGAGAA
GATGGCCCTATACGACGTCACGCAGAAGTTACCACAGGCCGTGATGGGTTCAGCATAACGGATTCCAGTACTCCC
CCACCCAGAGGGTTGAGTACCTGCTCAAAATGTGGCGGTCAAAGAAGGTGCCTATGGGCTTTTCTTACGACACC
AGGTGTTTTGATTCAACCGTCACTGAGCGGGACATCCGGACTGAGAACGACATCTATCAGTCTTGCCAGCTGGA
TCCCGTAGCAAGGAGGGCAGTATCATCCCTAACGGAACGGCTCTACGTAGGCGGCCCCATGGTGAACCTCCAAGG
GACAGTCATGTGGCTACCGTAGATGCCGAGCCAGTGGGGTGCTGCCACGAGCATGGGAAACACCATCACGTGC
TATCTGAAGGCACAGGCCGCTGACAGGGCGGCCAACATCAAGGACTGTGACATGTTGGTGTGCGGAGATGACTT
AGTGGTCATTTGTGAGAGTGCTGGCGTCCAGGAGGACACTGAGTCACTGCGAGCATTACGGATGCTATGACCA
GGTACTCAGCTCCCCCTGGAGACGCCCCGCAACCTACTTACGACCTTGAGCTCATAACATCATGCTCATCCAAT
GTCTCCGTGCGCCACGATGGCAACGGGAAGAGATATTACTACCTCACACGTGACTGTACCACTCCACTTGCGCG
GGCCGCTGGGAGACAGCCCGCCACACTCCAGTCAACTCGTGGTTGGGCAACATCATTATGTTGCCCCACGA
TATGGGTGCGTATGGTTCTGATGACCCATTTTTTCTCCATCCTCCAGTCACAAGAGCAATTGGAGAAAGCACTC
GACTTTGACATCTATGGAGTGACCTATTCCGTCTCTCCACTTGATCTCCCAGCAATCATTCAACGACTCCATGG
CATGGCAGCATTTTCACTCCACGGATACTCTCCAGTTGAGCTCAATAGGGTAGGGGCTTGCTCAGGAAACTTG
GGGTGCCCTCCCTTGCGAGCCTGGAGACATCGAGCCAGAGCTGTCAGAGCCAAACTCATTGCCCAAGGGGGGAAA
GCGGCCATATGCGGTAAGTACCTCTTTAACTGGGCAGTGAAGACCAAATAAACTCACTCCATTGGTCTCCGC
GAGCAAGCTTGACTTATCAGGCTGGTTTCGTGGCCGGCTACGACGGGGGGGACATTTATCACAGCGTGTCCAGG
CTCGACCCCGT

FIG. 2E